

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 27.02.2018

Version number 34

Revision: 27.02.2018

SECTION 1: Identification of the substance/mixture and of the company/legal entity

· **1.1 Product identifier**

· **Trade name** tesa 60150

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture**

Coating material
Priming
Intermediate

· **1.3 Manufacturer/Supplier:**

tesa SE
Hugo-Kirchberg-Strasse 1
D-22848 Norderstedt
Germany

Tel.: +49-40-88899-101

· **Informing department:**

tesa SE, quality management/environment/occupational safety, Dr. Dirk Lamm
Dirk.Lamm@tesa.com, Tel.: +49-40-88899-2977
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· **1.4 Emergency telephone number:**

tesa SE, Hugo-Kirchberg-Str. 1, D-22848 Norderstedt
Security Center Phone +49-40-88899-0
or +49-40-88899-9111

UNITED KINGDOM:
The UK National Poisons Emergency number is 0870 600 6266
London:
Emergency 24 hour telephone: +44 (0)20 7188 0100
Guy's & St Thomas' Poisons Unit
Medical Toxicology Information Services
Mary Sheridan House, Guy's Hospital, Great Maze Pond, London SE1 9RT

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

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· 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008
- Hazard pictograms

The product is classified and labelled according to the CLP regulation.



GHS02 GHS07 GHS08 GHS09

· Signal word

Danger

· Hazard-determining components of labelling:

cyclohexane
ethylbenzene
64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)

· Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H410 Very toxic to aquatic life with long lasting effects.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

Contains reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700). May produce an allergic reaction.

· 2.3 Other hazards

The preparation contains no eluable organic halogene compounds, which increases the AOX values

· Results of PBT and vPvB assessment

- PBT: Not classified
- vPvB: Not classified

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

- Description: Solvent mixture with additives.
Adhesion Promoter
- Characterisation equipment, container: None

· Dangerous components:

| | | |
|---|--|------|
| CAS: 110-82-7 EINECS: 203-806-2 Reg.nr.: 01-2119463273-41-XXXX | cyclohexane ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336 | <50% |
| CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-XXXX | xylene, mixed isomers, pure ⚠ Flam. Liq. 3, H226 ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315 | <25% |

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| | | |
|--|--|-------|
| CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25-XXXX | propan-2-ol ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 | <25% |
| CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-XXXX | acetone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 | <10% |
| CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35-xxxx | ethylbenzene ⚠ Flam. Liq. 2, H225 ⚠ STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H332 | <10% |
| EINECS: 265-151-9 Reg.nr.: 01-2119486291-36-xxxx | 64742-49-0 Naphtha (petroleum), hydrotreated light (Note P) ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336 | <10% |
| CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46-XXXX | ethyl acetate ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 | <2.5% |
| CAS: 25068-38-6 NLP: 500-033-5 Reg.nr.: 01-2119456619-26-xxxx | reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight = 700) ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 | <1% |

- **SVHC** Free of any SVHC substances or < 0.1 %
- **Regulation (EC) No 648/2004 on detergents / Labelling for contents** not applicable
- **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information** Instantly remove any clothing soiled by the product.
- **After inhalation** In case of unconsciousness bring patient into stable side position for transport.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing** Do not induce vomiting; instantly call for medical help.
- **4.2 Most important symptoms and effects, both acute and delayed** May cause drowsiness.
- **4.3 Indication of any immediate medical attention and special treatment needed** If swallowed or in case of vomiting, danger of entering the lungs

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture** Can be released in case of fire:
Nitrogen oxide (NO_x)
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:** Put on breathing apparatus.
Do not inhale explosion gases or combustion gases.

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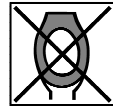
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SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:**



Prevent product from reaching sewage system or water bodies.

Prevent material from reaching sewage system, holes and cellars. Inform responsible authorities in case of spilling into water or sewage system.

· **6.3 Methods and material for containment and cleaning up:**

Apply absorbing material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Handle only outside or in explosion protected rooms.

Fumes can combine with air to form an explosive mixture.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage**

· **Requirements to be met by storerooms and containers:**

Store in cool location.

· **Information about storage in one common storage facility:**

void
void

· **Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

Store only outside or in explosion proof rooms.

Storing flammable liquids the National regulations have to be fulfilled!

· **Storage class**

3 (flammable liquids)

· **7.3 Specific end use(s)**

No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical systems:**

No further data; see item 7.

· **8.1 Control parameters**

· **Components with critical values that require monitoring at the workplace:**

110-82-7 cyclohexane

| | |
|-----|--|
| WEL | Short-term value: 1050 mg/m ³ , 300 ppm |
| | Long-term value: 350 mg/m ³ , 100 ppm |

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| | |
|--|--|
| 1330-20-7 xylene, mixed isomers, pure | |
| WEL | Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV |
| 67-63-0 propan-2-ol | |
| WEL | Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm |
| 67-64-1 acetone | |
| WEL | Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm |
| 100-41-4 ethylbenzene | |
| WEL | Short-term value: 552 mg/m ³ , 125 ppm Long-term value: 441 mg/m ³ , 100 ppm Sk |
| 141-78-6 ethyl acetate | |
| WEL | Short-term value: 400 ppm Long-term value: 200 ppm |

· Ingredients with biological limit values:

| | |
|--|--|
| 1330-20-7 xylene, mixed isomers, pure | |
| BMGV | 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid |

· Additional information: The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

- **Personal protective equipment**
- **General protective and hygienic measures**

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from foodstuffs, beverages and food.

Instantly remove any contaminated garments.

Wash hands before breaks and at the end of the work.

Avoid contact with the eyes and skin.

· Breathing equipment:

In a state of prolonged exposure time or when there is inadequate ventilation at the emission source:



Use gas filter devices with half or full face mask or portable air blower devices with vented hood.

Use filters for solvents (high and low boiling points) with color code brown (protection level A and protection class 2 or protection level AX). Filter loading depends on maximum of the concentration of pollutants and its emitted amount.

AX filters may only be used as delivered (factory fresh). Reuse is absolutely inadmissible.

The maximum wearing time of the respirator shall be determined by safety experts and occupational physician according to the activities and stresses.

For short-term exposure or in well ventilated work areas (e.g. processing under effective local exhaust or under conditions with more than four times change of air ventilation in the room):

Use gas filter devices with fourth or half face mask with filters for solvents (high and low boiling points) with color code brown (protection level A and protection class 2 or protection level AX).

Filter loading depends on maximum of the concentration of pollutants and its emitted amount.

AX filters may only be used as delivered (factory fresh). Reuse is absolutely inadmissible.

The maximum wearing time of the respirator shall be determined by safety experts and occupational physician according to the activities

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- and stresses.
In case of short term exposure use respiratory protection. In case of intensive or longer exposure use respiratory protection equipment independent from ambient air.
- **Protection of hands:**




Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
use solvent stable gloves.
 - **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - **Eye protection:**



Safety glasses
 - **Body protection:**

Protective work clothing.
Not required.

*** SECTION 9: Physical and chemical properties**

| | |
|--|---|
| · 9.1 Information on basic physical and chemical properties | |
| · General Information | |
| · Appearance: | |
| Form: | Liquid |
| Colour: | According to product specification |
| · Smell: | Characteristic |
| · Odour threshold: | Not determined. |
| · pH-value: | Not determined. |
| · Change in condition | |
| Melting point/freezing point: | Not determined |
| Initial boiling point and boiling range: | 55 °C |
| · Flash point: | -18 °C |
| · Inflammability (solid, gaseous) | Not applicable. |
| · Ignition temperature: | 260 °C |
| · Decomposition temperature: | Not determined. |
| · Self-inflammability: | Product is not selfigniting. |
| · Explosive properties: | Product is not explosive. However, formation of explosive air/steam mixtures is possible. |
| · Critical values for explosion: | |
| Lower: | 1,1 Vol % |
| Upper: | 12,0 Vol % |
| · Steam pressure at 20 °C: | 104 hPa |
| · Density | Not determined |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |

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| | |
|--|--|
| · Evaporation rate | Not determined. |
| · Solubility in / Miscibility with Water: | Partly miscible |
| · Partition coefficient: n-octanol/water: | Not determined. |
| · Viscosity: dynamic: | Not determined. |
| kinematic: | Not determined. |
| · Solvent content: Organic solvents: | 93,2 % |
| Solids content: | 19,3 % |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

110-82-7 cyclohexane

| | | |
|------|------|--------------------|
| Oral | LD50 | 12,705 mg/kg (rat) |
|------|------|--------------------|

1330-20-7 xylene, mixed isomers, pure

| | | |
|------|------|-------------------|
| Oral | LD50 | 8,700 mg/kg (rat) |
|------|------|-------------------|

| | | |
|--------|------|-------------------|
| Dermal | LD50 | 2,000 mg/kg (rbt) |
|--------|------|-------------------|

| | | |
|------------|-----------|------------------|
| Inhalative | LC50/ 4 h | 6,350 mg/l (rat) |
|------------|-----------|------------------|

64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)

| | | |
|------|------|---------------------|
| Oral | LD50 | 2,000 mg/kg (Ratte) |
|------|------|---------------------|

| | | |
|--------|------|----------------------|
| Dermal | LD50 | 4,000 mg/kg (Rabbit) |
|--------|------|----------------------|

| | | |
|------------|-----------|-----------------|
| Inhalative | LC50/ 4 h | 54 mg/l (Ratte) |
|------------|-----------|-----------------|

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** May be fatal if swallowed and enters airways.

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SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Very toxic for fish
- **Additional ecological information:**
- **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**
 - Free of heavy metals (Pb, Cd, Hg, Cr6+)
 - Free of Polybrominated Biphenyls (PBBs) and Polybrominated Diphenyl Ethers (PBDEs) according to RoHS Directive.
- **General notes:**
 - Water hazard class 2 (Self-assessment): hazardous for water.
 - Prevent product from reaching ground water, water bodies or sewage systems.
 - Danger to drinking water even if small quantities leak into soil.
 - Also poisonous for fish and plankton in water bodies.
 - Very toxic for aquatic organisms
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

*** SECTION 13: Disposal considerations**

- **13.1 Waste treatment methods**
- **Recommendation**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Must be specially treated under adherence to official regulations.

· **European waste catalogue (recommendation)**

| | |
|----------|---|
| 08 04 99 | wastes not otherwise specified |
| HP 3 | Flammable |
| HP 4 | Irritant - skin irritation and eye damage |
| HP 5 | Specific Target Organ Toxicity (STOT)/Aspiration Toxicity |
| HP 14 | Ecotoxic |

· **Additional information about the European waste catalogue:**

The assignment of a waste key number according to EC Decision 2000/532/EC in connection with EU Directive 75/442/EC has to follow specific industry requirements. The above mentioned classification is only one possible proposal.

· **Uncleaned packagings:**

- **Recommendation:** Disposal according to official regulations.

*** SECTION 14: Transport information**

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1866

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| | |
|---|---|
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG · IATA | RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS, (vapour pressure at 50°C not more than 110 kPa) RESIN SOLUTION (CYCLOHEXANE, 64742-49-0 Naphtha (petroleum), hydrotreated light (Note P)), MARINE POLLUTANT RESIN SOLUTION |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR | |
|   | |
| <ul style="list-style-type: none"> · Class · Label | 3 (F1) Flammable liquids. 3 |
| <ul style="list-style-type: none"> · IMDG | |
|   | |
| <ul style="list-style-type: none"> · Class · Label | 3 Flammable liquids. 3 |
| <ul style="list-style-type: none"> · IATA | |
|  | |
| <ul style="list-style-type: none"> · Class · Label | 3 Flammable liquids. 3 |
| <ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA | II |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): | Product contains environmentally hazardous substances: cyclohexane Yes Symbol (fish and tree) Symbol (fish and tree) |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user · Page: · EMS Number: · Stowage Category | Warning: Flammable liquids. 33 F-E, <u>S</u> -E B |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| <ul style="list-style-type: none"> · Transport/Additional information: | |
| <ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Excepted quantities (EQ) | 5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| <ul style="list-style-type: none"> · Transport category · Tunnel restriction code | 2 D/E |

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| | |
|--|---|
| <ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) | <p>5L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml</p> |
| <ul style="list-style-type: none"> · UN "Model Regulation": | <p>UN 1866 RESIN SOLUTION (VAPOUR PRESSURE AT 50°C NOT MORE THAN 110 KPA), 3, II, ENVIRONMENTALLY HAZARDOUS</p> |

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I**
 - None of the ingredients is listed.
- **Seveso category**
 - E1 Hazardous to the Aquatic Environment
 - P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements**
 - 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements**
 - 200 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII**
 - Conditions of restriction: 3, 57
- **National regulations**
- **Information about limitation of use:** Employment restrictions concerning young persons must be observed.
- **Decree to be applied in case of technical fault:**
 - Critical quantity values according to the regulations on accidents should be adhered to.
- **Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| III | 2.6 |
| NK | 90.6 |
- **Water hazard class:**
 - Water hazard class 2 (Self-assessment): hazardous for water.
- **15.2 Chemical safety assessment:**
 - A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This data is based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
 - H225 Highly flammable liquid and vapour.
 - H226 Flammable liquid and vapour.
 - H304 May be fatal if swallowed and enters airways.
 - H312 Harmful in contact with skin.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H319 Causes serious eye irritation.
 - H332 Harmful if inhaled.
 - H336 May cause drowsiness or dizziness.
 - H373 May cause damage to organs through prolonged or repeated exposure.
 - H400 Very toxic to aquatic life.
 - H410 Very toxic to aquatic life with long lasting effects.
 - H411 Toxic to aquatic life with long lasting effects.

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· **Department issuing data
specification sheet:**

· **Contact:**

· **Abbreviations and acronyms:**

tesa SE, Quality Management/Environment/Safety

tesa SE: Dr. D. Lamm, Phone: +49-40-88899-2977, Email: dirk.lamm@tesa.com

tesa SE: Dr. A. Koeth, Phone: +49-40-88899-3938, Email: anja.koeth@tesa.com

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

· *** Data compared to the previous
version altered.**